



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/776,734	02/11/2004	Sherman Robert Alpert	YOR920030606US1 (163-25)	2809
24336 7590 12/19/2006 KEUSEY, TUTUNJIAN & BITETTO, P.C. 20 CROSSWAYS PARK NORTH SUITE 210 WOODBURY, NY 11797			EXAMINER MAHMOOD, REZWANUL	
			ART UNIT 2164	PAPER NUMBER

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	12/19/2006	PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/776,734	<b>Applicant(s)</b> ALPERT ET AL.	
	<b>Examiner</b> Rezwanul Mahmood	<b>Art Unit</b> 2164	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 02 October 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-22 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-22 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                                | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

### **DETAILED ACTION**

1. This communication is in response to the amendment filed on October 2, 2006.

#### ***Response to Amendment***

2. Claims 1-22 are pending in this office action.
3. In view of the amendment filed on 10/02/2006, the objections to the claims have been withdrawn.

#### ***Response to Arguments***

4. Applicant's arguments with respect to claims 1-22 have been considered but are moot in view of the new ground(s) of rejection.

#### ***Claim Rejections - 35 USC § 102***

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

6. Claims 1-22 are rejected under 35 U.S.C. 102(e) as being anticipated by Liang (US Publication 2005/0154723).

7. With respect to claim 1, Liang discloses a method for organizing document search results (Liang: Abstract) comprising the steps of:

identifying words in raw search result documents having an association with search query terms (Liang: Paragraph 51, lines 9-35; Figure 2);

categorizing features of the words in relation to the search query terms to determine presentation categories based on the search query terms (Liang: Paragraph 51, lines 9-35; Paragraph 54, lines 1-10; Figure 2); and

presenting the results in at least one category in accordance with the features (Liang: Paragraph 54, lines 1-10; Figures 2, 3, and 10).

8. With respect to claim 2, Liang discloses the method as recited in claim 1, wherein the association between words and search query terms includes proximity between the words and the search query terms in a document (Liang: Paragraph 51, lines 9-12; Paragraph 59, lines 1-21; Paragraph 60, lines 1-12; Paragraph 90, lines 1-15; Here the user enters keywords and search results are returned where words in the results and the query terms have an association between them, which also inherently includes a proximity between the words and search query terms).

9. With respect to claim 3, Liang discloses the method as recited in claim 1, wherein the step of categorizing features includes the step of extracting features from a document based on the association between the words and the search query terms

(Liang: Paragraph 94, lines 1-8; Paragraph 104, lines 12-21; paragraph 148, lines 1-18).

10. With respect to claim 4, Liang discloses the method as recited in claim 3, further comprising the step of selecting features from extracted features based upon a subject matter of the search query terms (Liang: Paragraph 94, lines 1-8; Paragraph 104, lines 12-21; paragraph 148, lines 1-18).

11. With respect to claim 5, Liang discloses the method as recited in claim 1, wherein the step of presenting includes presenting the results in a table in accordance with the at least one category (Liang: Figure 8).

12. With respect to claim 6, Liang discloses the method as recited in claim 1, further comprising the step of providing a sort option to permit the results to be sorted and presented in accordance with one or more categories (Liang: Figure 8).

13. With respect to claim 7, Liang discloses the method as recited in claim 1, wherein the step of presenting includes presenting the results in a plot (Liang: Figures 8-10; Here a user interface is disclosed where results are shown in graphical format in categories, inherently the result can be presented in a plot).

14. With respect to claim 8, Liang discloses a program storage device readable by machine, tangibly embodying a program of instructions executable by the machine to

Art Unit: 2164

perform method steps for organizing document search results as recited in claim 1

(Liang: Figure 1).

15. With respect to claim 9, Liang discloses a method for presenting search results, comprising the steps of:

searching one or more documents in a corpus of documents, to retrieve documents as a result of a query term matching with a matched token in one or more of the documents (Liang: Paragraph 51, lines 9-35; Paragraph 89, lines 1-16; Figure 2);

selecting at least one document term in a set of the document terms, the document terms being in proximity to the matched token (Liang: Paragraph 89, lines 1-16; Paragraph 90, lines 1-15);

categorizing the selected document terms into at least one category to provide the at least one category which is related to the search query term (Liang: Paragraph 51, lines 9-35; Paragraph 54, lines 1-10; Figure 2);

describing the categories using one or more category terms (Liang: Paragraph 54, lines 1-10; Figures 2, 3, and 10); and

presenting a hit list of the documents with the one or more category terms associated with each of the documents (Liang: Paragraph 54, lines 1-10; Figures 2, 3, and 10).

16. With respect to claim 10, Liang discloses the method as recited in claim 9, wherein the step of selecting includes selecting document terms, which include one, or

more terms within a defined word distance from the respective matched token (Liang: Paragraph 90, lines 1-15; Paragraph 94, lines 1-8; Paragraph 104, lines 12-21; Paragraph 148, lines 1-18).

17. With respect to claim 11, Liang discloses the method as recited in claim 9, wherein the step of selecting includes selecting one or more terms within a defined logical distance from the respective matched token (Liang: Paragraph 90, lines 1-15; Paragraph 94, lines 1-8; Paragraph 104, lines 12-21; Paragraph 148, lines 1-18).

18. With respect to claim 12, Liang discloses the method as recited claim 11, wherein the logical distance includes related sentence locations (Liang: Paragraph 90, lines 1-15; Paragraph 94, lines 1-8; Paragraph 104, lines 12-21; Paragraph 148, lines 1-18).

19. With respect to claim 13, Liang discloses the method as recited in claim 9, wherein the proximity is variable based one of user selection and search context (Liang: Paragraph 90, lines 1-15; Paragraph 94, lines 1-8; Paragraph 104, lines 12-21; Paragraph 148, lines 1-18).

20. With respect to claim 14, Liang discloses the method as recited in claim 9, wherein the step of categorizing includes clustering document terms (Liang: Paragraph 54, lines 1-16; Paragraph 90, lines 1-15; Paragraph 94, lines 1-8; Paragraph 104, lines

Art Unit: 2164

12-21; Paragraph 148, lines 1-18).

21. With respect to claim 15, Liang discloses the method as recited in claim 9, wherein the step of categorizing includes pre-defined category terms (Liang: Paragraph 54, lines 1-16; Paragraph 56, lines 1-6).

22. With respect to claim 16, Liang discloses the method as recited in claim 15, wherein the pre-defined categories are in category ontology (Liang: Paragraph 54, lines 1-16; Paragraph 56, lines 1-6).

23. With respect to claim 17, Liang discloses a program storage device readable by machines, tangibly embodying a program of instructions executable by the machine to perform method steps for presenting search results as recited in claim 9 (Liang: Figure 1).

24. With respect to claim 18, Liang discloses a document search presentation system, comprising:

a feature extractor configured to extract and select features within documents provided in accordance with a search query (Liang: Figure 2);

a feature categorizer coupled to the feature extractor, the feature categorizer associating the features in the documents to categorize in accordance with taxonomy categories (Liang: Paragraph 51, lines 9-35; Paragraph 54, lines 1-10; Figure 2); and



a format, which presents at least a portion of the documents in association with a category of the taxonomy categories (Liang: Figures 2, 3, and 10).

25. With respect to claim 19, Liang discloses the system as recited in claim 18, wherein the format includes at least one of a table and a plot (Liang: Figures 8-10).

26. With respect to claim 20, Liang discloses the system as recited in claim 8, wherein the format includes snippets associated with search terms and/or features (Liang: Paragraph 54, lines 1-16; Paragraph 90, lines 1-15; Paragraph 94, lines 1-8; Paragraph 104, lines 12-21; Paragraph 148, lines 1-18).

27. With respect to claim 21, Liang discloses the system as recited in claim 18, wherein the features include a word distance between document search terms matched tokens in the document (Liang: Paragraph 54, lines 1-16; Paragraph 90, lines 1-15; Paragraph 94, lines 1-8; Paragraph 104, lines 12-21; Paragraph 148, lines 1-18).

28. With respect to claim 22, Liang discloses the system as recited in claim 21, wherein the word distance includes a defined logical distance from the matched token to the document search term (Liang: Paragraph 54, lines 1-16; Paragraph 90, lines 1-15; Paragraph 94, lines 1-8; Paragraph 104, lines 12-21; Paragraph 148, lines 1-18).

***Conclusion***

29. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

30. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The Maxham reference (US Publication 2004/0187075) teaches about a document management apparatus. The Roustant reference (US Patent 6,944,612) teaches about grouping search results and extracting attributes.

Art Unit: 2164

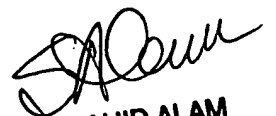
**Contact Information**

31. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Rezwanul Mahmood whose telephone number is (571)272-5625. The examiner can normally be reached on M - F 10 A.M. - 5 P.M..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles Rones can be reached on (571)272-4085. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

December 9, 2006.

  
**SHAHID ALAM**  
**PRIMARY EXAMINER**

  
Rezwanul Mahmood  
Examiner  
Art Unit 2164